



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: William D. Huse, *et al.*

Serial No.: 10/697,400

Group No.:

Filed: 10/30/03

Examiner:

Entitled: **Heteromeric Variable Regions With Unvaried
Human Framework Regions**

CERTIFICATE RE: SEQUENCE LISTING

Commissioner for Patents
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<p align="center">CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)(1)(i)(A)</p> <p>I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>Dated: <u>March 12, 2004</u></p> <p>By: <u>Susan M. McClintock</u> Susan M. McClintock</p>
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Sir or Madam:

I hereby state that the enclosed Sequence Listing is being submitted in paper copy, and that no new matter has been introduced.

Dated: March 12, 2004

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SEQUENCE LISTING

<110> Huse, William

Watkins, Jeffry

Wu, Herren

<120> Methods of Optimizing Antibody Variable Region Binding Affinity

<130> AME-06352

<140> 09/434,870

<141> 1999-11-04

<150> 60/159,689

<151> 1999-10-14

<160> 4

<170> PatentIn version 3.0

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35 40 45

Lys Tyr Ala Ser His Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly
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Ser Gly Ser Gly Ser Asp Phe Thr Leu Ser Ile Asn Ser Val Glu Pro
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35 40 45
Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly
50 55 60
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35 40 45
Gly Trp Ile Asn Thr His Ser Gly Val Pro Lys Tyr Val Glu Asp Phe
50 55 60
Lys Gly Arg Phe Ala Phe Ser Leu Glu Thr Ser Ala Asn Thr Ala Tyr
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Leu Gln Ile Ser Asn Leu Lys Asn Glu Asp Thr Ala Thr Tyr Phe Cys
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35 40 45

Gly Trp Ile Asn Thr Asn Thr Gly Asn Pro Thr Tyr Ala Gln Gly Phe
50 55 60

Thr Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Ser Thr Ala Tyr
65 70 75 80

Leu Gln Ile Ser Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser
100 105 110

Ser